






POLE LINE CONDUCTOR AND CABLE SCHEDULE				
CONDUCTOR AND CABLE REFERENCE LETTER	CONDUCTOR AND CABLE AWG OR KCMIL	NUMBER OF CONDUCTORS OR CABLES	CONDUCTOR OR CABLE TYPE	POWER LINE CIRCUIT DESCRIPTION 
A	336.4	1	ACSR 26/7 STRANDING LINNET	7.2kV MINE POWER FEEDER PHASE CONDUCTORS
B	4/0	1	ACSR 6/1 STRANDING PENGUIN	7.2kV MINE POWER FEEDER ISOLATED MINE GROUND CONDUCTOR
C	1/0	1	ACSR 6/1 STRANDING RAVEN	7.2kV MINE POWER FEEDER GROUND CHECK (PILOT) CONDUCTOR
D	2/0	1	ACSR 6/1 STRANDING QUAIL	7.2kV SURFACE POWER FEEDER PHASE CONDUCTORS
E	1/0	1	ACSR 6/1 STRANDING RAVEN	7.2kV SURFACE POWER FEEDER GROUND CONDUCTOR & STATIC CONDUCTOR
F 	16	1	#16 AWG, 4 PAIRS, TYPE PLTC, INDIVIDUAL AND OVERALL SHIELDED, PVC INSULATION, PVC JACKET, 105C, 300 VOLTS, UL, SUNLIGHT RESISTANT, SUITABLE FOR AERIAL USE ON MESSENGER, ANIXTER PART NO. 323-231-1604 OR EQUAL	COMMUNICATION AND CONTROL CABLE

NOTES:

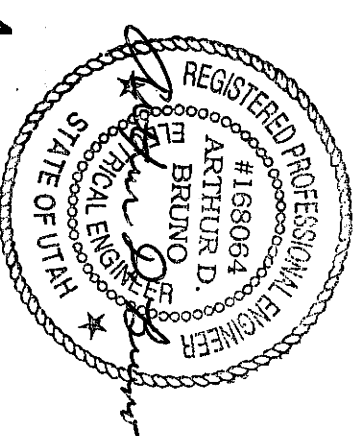
1. SEE DRAWING E201 FOR APPROXIMATE POLE LOCATIONS. THE FINAL LOCATIONS OF THE POLES ARE TO BE DETERMINED BY THE CONTRACTOR AS FIELD CONDITIONS REQUIRE.
2. THE SPACING BETWEEN POLES SHALL NOT EXCEED 250 FEET.
3. OVER NON-TRAFFIC AREAS A MINIMUM OF 20'-0" IS TO BE MAINTAINED FROM THE LOWEST CONDUCTOR TO GRADE.
4. WHERE THE CONDUCTORS PASS OVER A ROADWAY OR TRAFFIC AREA, THE MINIMUM DISTANCE OF 30'-0" FROM THE LOWEST CONDUCTOR TO THE ROADWAY IS TO BE MAINTAINED.
5. EACH POLE SHALL BE PROVIDED WITH A MINIMUM #6 AWG SOLID GROUND CONDUCTOR THAT EXTENDS THE ENTIRE LENGTH OF THE POLE, AND SHALL BE ATTACHED TO THE POLE BUTT PLATE. EACH POLE GROUND SHALL ALSO BE CONNECTED TO THE TOP GROUND/STATIC CONDUCTOR, AND METAL HARDWARE ON THE POLE.
6. LIGHTING ARRESTERS SHALL NOT BE GROUNDED TO THE ISOLATED MINE GROUND CONDUCTOR.
7.  - FIBERGLASS TRIANGULAR RAPTOR PROTECTION DEVICE.
8.  - RAPTOR PROTECTION DEVICE (KADUS KE1049 OR KE1045A BIRD GUARD).
9.  - CABLES ARE ATTACHED OR LASHED TO A 3/8" STAINLESS STEEL MESSENGER CABLE OR OF SELF-SUPPORTING DESIGN.
10. ALL POLES SHALL BE A MINIMUM OF 45' IN LENGTH. LONGER POLES SHALL BE USED AS NECESSARY TO MAINTAIN SPECIFIED VERTICAL CLEARANCE.
11. POLES SHALL BE CLASS 3 OR BETTER WOOD POLES.
12. MINIMUM SETTING DEPTHS FOR POLES SHALL BE AS FOLLOWS:

POLE LENGTH (FEET)	SETTING DEPTH (FEET)
45'	6.5'
50'	7'
55'	7.5'
60'	8'

REPORT ON

NOV 18 2002

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PLATE IX-4

BRUNO
ENGINEERING, INC.

CONSOLIDATION COAL COMPANY

MINE

OWER LINE

E200

ENGR'D AND	DRAWN S

BY: AUB	BY: S
FILENAME: CFM_F200	

SHEET 1 OF 1

SHILLI NO.2
E200

APPROVED

CONSTRUCTION

1	POWER POLE DETAIL
E200	SCALE: 1/2" = 1'-0"

[illegible]

CONSOLIDATION COAL COMPANY

EMERY MIN
ENERGY, UTAH 84522

BRUNO
ENGINEERING, INC.

CONSOLIDATION COAL COMPANY

MINE

OWER LINE

E200

ENG'D		DRAWN	
BY: ADB		BY: S	
FILENAME: CFM F200			

SHEET 1 OF 1

SHILL NO.2
E200
